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|  | **Address:****Amman- Om Othaina****P. O. Box: 141127****Amman -11814- Jordan** |  | **Phone: (00 962 6) 5535754** **Mobile: (00 962 79) 579 2277** **E-Mail: nivinalami@hotmail.com** |
| Nivin I. Al-Alami  |
| Personal Information | Marital Status: MarriedNationality: JordanianDate of Birth: 1963Place of Birth: Gaza – Palestine |
| Summary of Experience | September 1987 – Up to Date |
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| **The University of Jordan****Water and Environment Research and Study Center****Amman – Jordan** |
|  |
| Job Title: Microbiology Laboratory Supervisor/Researcher/Technical manager  |
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| * Microbiological and Chemical Analysis of Water.
* Preparation of Manuals and Courses / Biological Analysis and Water Safety.
* Conducting Training Courses with Reference to Water and Environment.
* Drinking Water Safety Consultant.
* Microbiology Lab. Supervisor for the Project Titled “Water Skills Enhancement and Information to Decision – Makers in Jordan’s Water Sector”.
* Evaluation of Microbiological Methods used for Water Analysis.
 |
| September 1989 - June 1990 |
| English School**Amman – Jordan**Job Title: Biology Laboratory Supervisor |
| November 1986 - September 1987 |
| Al- Khadra Medical LaboratoriesJeddah – Kingdom of Saudi ArabiaJob Title: Medical Analyst  |
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|  | * Examination of Medical Samples with Reference to Hematology Analysis, Urine Analysis, Stool Analysis and Blood Chemistry.
* Microbiological and Bio/Chemical Analysis as well as other Routine Medical tests.
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| July 1985 - September 1986 |
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| **The University of Jordan**Department of Biology/Faculty of Science**Amman - Jordan** |
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| **Job Title: Research Assistant** |
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| * **June 1984 - June 1985**
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| **Consulting Medical Laboratories****Amman - Jordan** |
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| **Job Title: Medical Analyst** |
|  |
| * Hematology Analysis, Urine Analysis, Stool Analysis and Blood Chemistry.
* Microbiological and Bio/Chemical Analysis as well as other Routine Medical tests.

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| Education |  1- Ph.D. Degree (Doctor of Philosophy) Biological Sciences. Faculty of Sciences The University of Jordan, Amman- Jordan (2015)Ph.D. Dissertation: “ZAI WATER TREATMENT PLANT: MICROBIAL RISK ASSESSMENT AND MANAGEMENT FROM SOURCE TO WATER EFFLUENT, JORDAN”  |
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|  |  2- M.Sc. Degree in Environmental Sciences and Management Faculty of Graduate StudiesThe University of Jordan, Amman – Jordan (2003)  |
|  |  M.Sc. Thesis: “Microbial Contamination of Waterline in Dental Units” |
|  |   |
|  |  3- B.Sc. Degree in Biological/Medical Analysis  Dept. of Biology Faculty of Science The University of Jordan, Amman – Jordan (1984) Average: 70.8% |
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|  | 4- General Secondary Study Certificate, Kingdom of Saudi Arabia Science Stream. (1980) Average: 95.5 % |
| Microbiological Skills | * Detection and Identification of Pathogenic Microorganisms in Food and Water Using Novel Rapid Techniques such as Real-Time PCR, ELISA, and other Classical Micro methods.
* Risk assessment of waterborne pathogens (*Pseudomonas aeruginosa* and *Legionella pneumophila*)
* Monitoring Environmental Microbial Quality in Hospitals, Health Care Centers, and Laboratories.
* Quality Assurance in the Microbiology Laboratories and Accreditation Procedures.
* Courses and Training Programs Preparation in the Fields of Microbiological and Water Analysis.
* Detection and identification of opportunistic pathogens in hospitals and health care centers-nosocomial pathogens (*Legionella* spp., *Pseudomonas* spp., and *Acinetobacter* spp.).
 |
| Research Projects | * The effect of Khirbet As-Samra effluent on the water quality of Wadi Dhuleil and Zarka River/Jordan, 1988.
* Treated wastewater reuse in Agriculture: Queen Alia International Airport, 1989.
* Water Quality of Swimming pools in the Amman Area, 1990.
* Water Quality of Dams in Jordan, 1992.
* Purification and Reuse of Domestic Wastewater using Low Cost Eco-Biotechnological Methods, 1995.
* Development of Technological Simple, Low Energy Cost Method for Treating Wastewater for Reuse in Agriculture, 1995.
* Quality of Irrigation Water in the Middle Jordan Valley, 1996.
* Effect of Kufranja wastewater Treatment Plant on Water Resources in Kufranja Basin, 1997.
* Development of Cost-Effective Reclamation for Domestic Wastewater and Appropriate Agricultural Use of Treated Effluent Under Semi-arid Climate Conditions, 1999.
* Skills Enhancement and Support to Decision-Makers in Jordan’s Water Sector, March 2000.
* Zara and Zarqa Ma’in Spring Study, March 2000.
* Fate of Disinfectants and Their Byproducts in Amman’s Water Distribution System, November 2000.
 |
| Training Workshops  | * Identification of Microorganisms using 16S rRNA Real-Time PCR Technique
* Developing Rapid Procedures and Methods for Detection and Identification of Microorganisms in Water.
* Detection and Identification of Opportunistic Pathogens in Hospitals and Health care Centers (*Legionella* spp., *Pseudomonas* spp., and *Acinetobacter* spp.).
* Detection and Identification of Opportunistic Pathogens in Hotels (*Legionella* spp., and *Pseudomonas* spp.)
* Studying the Effect of Chlorine against Waterborne Pathogens. Recovery, Survival, and Inactivation of *Campylobacter* spp. in Food and Water.
* دورة النفايات الطبية-الجامعة الاردنية. 15\10\2023 – 2\11\2023
* ISO 22003-1:2022 Food Safety : Part 1- Requirements for bodies providing Audit and certification of Safety Management System. IAF MD 16:2023- Application of ISO/IEC 17011 for accreditation of Food Safety Management System (FSMS) certification bodies. 12th-15th June 2023
* IDEXX. 'Important Regulatory Changes, Operational and Technical Aspects of Enterococci Testing in Drinking Water’

Wednesday, June 8th 2022* QMS ISO 9001:2015. Lead Auditor Training Course bureauveritas.com, on 25-28th January 2021.
* Risk Management training. bureauveritas.com, on 15-16th September 2020.
* الندوة التوعوية حول المعالجة اللامركزية للمياه العادمة وتطبيقاتها ضمن المجتمعات المحلية

(Sanitation for millions)، الجامعة الأردنية، مركز المياه والطاقة والبيئة، أغسطس 2020* ISO 14001:2015 Awareness Course. bureauveritas.com, on 28th July 2020.
* ISO/UNIDO joint webinar on conformity assessment and accreditation activities in a virtual world, on 25th June 2020.
* Tetra Tech work shop, USAID. Water, Energy and Environment Center. Nov. 3, 2019 – Nov. 7, 2019. The University of Jordan. Amman.
* 5TH IWA INTERNATIONAL SYMPOSIUM ON WATER AND WASTEWATER TECHNOLOGIES IN ANCIENT CIVILIZATIONS: EVOLUTION OF TECHNOLOGIES FROM PREHISTORY TO MODERN TIMES. Sep. 11, 2019 – Sep. 13, 2019. Dead Sea

Jordan* ورشة عمل فنية توعوية عن " سلامة الغذاء " في مبنى مؤسسة المواصفات

والمقاييس. عمان- الأردن، يوليو 2019* Lecture on "wastewater treatment" at the Department of Biological Sciences / Faculty of Science / University of Jordan, Amman. April 2019
* Monitoring microbiological performance of the on-site wastewater treatment unit located in the Water, Energy & Environment Center (WEEC) at the University of Jordan (August 2017 to January 2018)
* The 2nd Conference of the infectious Disease and Vaccine Center. Amman, Jordan December 12th 2018
* Introduction to Laboratory Management Systems. ISO/IEC 17025:2017, Amman, Jordan December 1st 2018
* ورشة عمل فنية توعوية عن بكتيريا اللوجيونيلا في مبنى مؤسسة المواصفات

والمقاييس. عمان- الأردن، يوليو 2018* Regional Workshop on Science and Technology Developments Relevant to the Biological Weapons Convention (BWC) for the Middle East and North Africa. Royal Scientific Society. Amman, Jordan 11 - 12 July 2018
* محاضرة عن" تنقية المياه السطحيه والمياه العادمة" في قسم العلوم الحياتية/كلية العلوم/ الجامعة الأردنية، عمان. ديسمبر 2017
* Pharmaceutical Microbiology Workshop, Microbiologics®.Water, Energy and Environment Center. 9-11 May 2017, Amman, Jordan
* World Health Organization. “*Legionella* Training Workshop”, lecture on “*Legionella* - Environmental Investigation and Sampling”Amman, Jordan, 13-14 February, 2017
* Best Practices and Recommendations in Microbial Monitoring Seminar, Intercontinental Amman Hotel. September 28th, 2016

UNESCO/EOLSS Chair in Wadi Hydrology. University of Jordan, Amman, Jordan on March 24th, 2016اعلان تقرير الامم المتحده لتنميه المياه في العالم لعام 2016 |
|  | * مؤتمر "مشروع منظومه الطاقه والمياه" فندق كراون بلازا-عمان ، 2 كانون الاول 2015 (Eco Peace Middle East)
* "WATER SAFETY PLANS AUDIT LEARNING SESSION" on October 18th, 2015 at King Hussein Bin Talal Convention Center
* Amman-Jordan. Hotel, May 5th, 2015
* Cost-Effective Pollution Prevention. USAID/JORDAN. Kempinski
* Root Cause Analysis Session Program. USAID/JORDAN. WEEC, The University of Jordan. February 26, 2015.
* Regional Workshop on “biosafety, biosecurity, and biorisk management. Knowledge development and transfer of best practices” project. Amman, the Hashemite Kingdom of Jordan, January 12-13, 2015. Royal Scientific Society (RSS)
* Regional Workshop on “biosafety, biosecurity, and biorisk management. Knowledge development and transfer of best practices” project. Amman, the Hashemite Kingdom of Jordan, 5th – 6th May, 2014. Royal Scientific Society (RSS)
* Expanding Access to Sanitation for Unsewered Communities in Morocco and Jordan. 28-30 January 2014, Marrakech, Morocco
* Water quality: Monitoring, Assessment, and management. Aqaba Special Economic Zone Authority. Aqaba- Jordan 18th-19th November 2013-10-2013
* Technical training on Water reuse and environmental conservation project meeting the ISO/IEC 17025:2005. Amman Jordan at Water, Energy, and Environment Center (WEEC) 30th September-2nd October 2013.
* Training course on Auditing of a management system meeting the ISO/IEC 17025:2005. A project was funded by USAID. Amman Jordan 4th -6th December 2011
* Training course on Documentation of a management system meeting the ISO/IEC 17025:2005. A project was funded by USAID. Amman Jordan 25th -29th September 2011
	+ مؤتمر التعاون الأردني الأوروبي في مجال التعليم العالي ، كلية الهندسة ، الجامعة الأردنية/ عمان(الأردن) 1/11/2011
* ورشة عمل الخبراء "الأمراض المنقولة بالماء والغذاء وعلاقتها بالتغيرات المناخية"

(Water Food- Borne Diseases and Climate Change) بالتعاون مع منظمة الصحة العالمية ووزارة الصحة،عمان (الأردن) 18/9/2011* مؤتمر حول تقرير الاهداف الانمائية للألفية لمحافظة الزرقاء بالتعاون مع برنامج الأمم المتحدة (UNDP)، عمان (الأردن) 28/7/2011
* Workshop on Basic Course on Water Quality Testing at Water and Environment Research and Study Center, The University of Jordan, May 16, 2010
* Training program and Endotoxin Detection on Endosafe® PTS system that provides quantitative LAL test results. January 24th-28th 2010. Dubai, United Arab Emirates.
	+ VIII Workshop on Rapid Methods and Automation in Food Microbiology. (MRAMA), (Rapid Microbiology) In Barcelona, Spain from 24th to 27th November 2009.
	+ Assessing and Co-Supervising the Achievement of ISO 17025 Requirements for Laboratory Accreditation by Jordan Food and Drug Administration-Ministry of Health (Microbiological Laboratories). This Project was funded by European Community and Conducted with the Help of Two Professors from Washington State University (Dr. Barbara Rasco) and Michigan State University (Dr. Gleyn Bledsoe).
* Wastewater sampling and laboratory analysis for the septic tanks at Azraq refugees camp. (GIZ), 2022.
 |
| Funded Projects | * Deanship of Academic Research at the University of Jordan.
* Project Title: Efficacy of Neutral Electrolyzed Water for Disinfecting Reverse Osmosis Water Treatment Systems in Medical Instrumentations
* Deanship of Academic Research at the University of Jordan.
* Project Title: “Detection, Identification and Quantification of *Giardia* and *Cryptosporidium* in Yarmouk River and King Abdullah Canal
* Deanship of Academic Research at the University of Jordan.

 Project Title: “Detection and Identification of *Alicyclobacillus* spp. and the Study of the Relation of Their Growth with the Production of Taint Chemicals in Pasteurized Fruit Juices”. |
| Publications Refereed Journals | * **Alami, N.A**., Abdelallah, N.H., Gaber, Y., Shatanawi, K.Monitoring the microbiological quality of dialysis water: a case study in selected hemodialysis units in Amman, Jordan before and during COVID-19 pandemic (2023) Desalination and Water Treatment, 284, pp. 72-80.
* Ahlam I. Abdalla, Motasem N. Saidana**, Nivin Al Alami**, Hanan Al-Naimat. Comparative assessment of Legionella pneumophila prevalence among hospitals and hotels water systems. Desalination and Water Treatment **(2020)** 1–10
* Motasem N. Saidan, Ahlam I. Abdalla, **Nivin Al Alami**, Hanan Al-Naimat. Multiple disinfection processes of *Legionella pneumophila* positive in hotels’ water distribution systems in Jordan. **(2019).** Desalination and Water Treatment. 163 (2019) 7–16
* Hamzah M. Al-Qadiri, Stephanie Smith, Aleksandra Checinska Sielaff, Byju N. Govindan, Mohamed Ziyaina, **Nivin Al-Alami**, Barbara Rasco. **(2019).** Bactericidal activity of neutral electrolyzed water against Bacillus cereus and Clostridium perfringens in cell suspensions and artificially inoculated onto the surface of selected fresh produce and polypropylene cutting boards. Food Control. 96. 212–218
* Motasem N. Saidan, Haifa Al-Yazjeen, Ahlam Abdalla, Hussam J. Khasawneh, Hanan Al-Naimat, **Nivin Al Alami**, Malik Adawy, Mahmoud S. Jaber and Nidal Sowan. **(2018).** Assessment of On-Site Treatment Process of Institutional Building’s Wastewater. Processes. Vol 6, 26. 1-13
* Hamzah M. Al-Qadiri, Murad A. Al-Holy, Setareh Ghorban Shiroodi, Mahmoudreza Ovissipour,Byju N. Govindan, **Nivin Al-Alami**, Shyam S. Sablani, Barbara Rasco. (**2016)**. Effect of acidic electrolyzed water-induced bacterial inhibition and injury in live clam (Venerupis philippinarum) and mussel (Mytilus edulis). International Journal of Food Microbiology 231. 48–53
* Hamzah M. Al-Qadiri, Mahmoudreza Ovissipour, **Nivin Al-Alami**, Byju N. Govindan, Setareh Ghorban Shiroodi, and Barbara Rasco. **(2016).** Efficacy of Neutral Electrolyzed Water,Quaternary Ammonium and Lactic Acid-Based Solutions in Controlling MicrobiaContamination of Food Cutting Boards Using a Manual Spraying Technique. Vol. 81, Nr. 5, Journal of Food Science
* [Ovissipour](http://www.sciencedirect.com/science/article/pii/S0956713515000195)[,](http://www.sciencedirect.com/science/article/pii/S0956713515000195#aff1) M., [Al-Qadiri](http://www.sciencedirect.com/science/article/pii/S0956713515000195)[,](http://www.sciencedirect.com/science/article/pii/S0956713515000195#aff2) H.,  [Sablani](http://www.sciencedirect.com/science/article/pii/S0956713515000195)[,](http://www.sciencedirect.com/science/article/pii/S0956713515000195#aff3) S., [Govindan](http://www.sciencedirect.com/science/article/pii/S0956713515000195)[,](http://www.sciencedirect.com/science/article/pii/S0956713515000195#aff3) B., [**Al-Alami**](http://www.sciencedirect.com/science/article/pii/S0956713515000195)[**,**](http://www.sciencedirect.com/science/article/pii/S0956713515000195#aff4) **N.**, and [Rasco](http://www.sciencedirect.com/science/article/pii/S0956713515000195)[,](http://www.sciencedirect.com/science/article/pii/S0956713515000195#aff1) B. **(2015)**. Efficacy of acidic and alkaline electrolyzed water for inactivating *Escherichia coli* **O104**:H4, *Listeria monocytogenes*,*Campylobacter jejuni*, *Aeromonas hydrophila*, and *Vibrio parahaemolyticus* in cell suspensions. [Food Control](http://www.sciencedirect.com/science/journal/09567135). 53: 117-123
* Al-Qadiri, H., Sablani, S., Ovissipour, M., Al-Alami, N., Govindan, B., and Rasco, B. **(2015)**. Effect of Oxygen Stress on Growth and Survival of *Clostridium perfringens, Campylobacter jejuni*, and *Listeria monocytogenes* under Different Storage Conditions. Journal of Food Protection. In Press.
* Lu, X., Liu, Q., Wu, D., Al-Qadiri, H.M., **Al-Alami, N.I.**, Kang, D-H., Shin, J-H, Tang, J., Jabal, J., Aston, E. and Rasco, B.A. **(2011).** Using of Infrared Spectroscopy to Study the Survival and Injury of *Escherichia coli* O157:H7, *Campylobacter jejuni* and *Pseudomonas aeruginosa* Under Cold Stress in Low Nutrient Media. Food Microbiology. 28: 537-5
* Al-Qadiri, H.M., Lu, X., **Al-Alami, N.I**. and Rasco, B.A. **(2011)**. Survival of *Escherichia coli* O157:H7 and *Campylobacter jejuni* in Bottled Purified Drinking Water under Different Storage Conditions. Journal of Food Protection. 74: 254-260.
* Al-Qadiri, H.M., **Al-Alami, N.I**, Al-Holy, M.A. and Rasco, B.A. **(2008).** Using Fourier Transform Infrared (FT-IR) Absorbance Spectroscopy and Multivariate Analysis to Study the Effect of Chlorine-Induced Bacterial Injury in Water. Journal of Agriculture and Food Chemistry. 56: 8992-8997.
* Al-Qadiri, H.M., Alami, N.I., Al-Holy, M.A., Lin, M., Cavinato, A.G. and Rasco, B.A. (**2008)**. Studying of the bacterial growth phases using Fourier transform infrared (FT-IR) spectroscopy and multivariate analysis. Journal of Rapid Methods and Automation in Microbiology. 16: 73-89.
* Halalsheh, M., Abu Ghunmi, L., **Al-Alami, N.**, and Fayyad, M. **(2008).** Fate of pathogens in tomato plants and soil irrigated with secondary treated wastewater. [Efficient Management of Wastewater](https://commerce.metapress.com/content/g8k583/?p=8a030dc0bb9d49e89feb3066727e61ff&pi=0), [Earth and Environmental Science](https://commerce.metapress.com/earth-and-environmental-science/). 81-89.
* Al-Qadiri, H.M., Al-Holy, M.A., Lin, M., **Alami, N.I**. and Rasco, B.A. **(2006).** Rapid detection and identification of *Pseudomonas* *aeruginosa*, and *Escherichia* *coli* as pure and mixed cultures in bottled drinking water using Fourier transform infrared spectroscopy (FT-IR) and multivariate analysis. Journal of Agriculture and Food Chemistry. 54: 5749-5754.
* Manual of Water Analysis. 1990. Water Research and Study Center. The University of Jordan
 |
| Teaching | * مادة الحياة الجامعية وأخلاقياتها الفصل الأول للعام الجامعي 2017-2018
* Part of module Sanitation and Public Health for IWRM students (November 2016) at Water, Energy and Environment Center/The University of Jordan
 |
|  Professional CommitteesProfessional Membership  | * Member of the Water committee at The University of Jordan
* Chair of the Environment working group of technical committee at Jordanian Accreditation System (JAS)
* Member of Jordan Center for Disease Control (JCDC) for Cholera disease
* Member of the technical committee at Jordanian Accreditation System (JAS) for Food, Environment and Proficiency testing

 * Jordan Society For Biological Sciences.
 |
| Languages | * English: Reading, Writing, and Conversation Fluently
* Arabic: Mother Tongue
 |
| Research Activities | * Actively Cooperating with Research Groups at Washington State University in the Fields of water and Environmental Microbiology.
* Cooperation with Faculty Members at the Jordan University of Science and Technology and the Hashemite University in the Fields of water Microbiology.
 |
| Computer Skills | * Microsoft Office, Internet, Research, and Typing.
 |
| References  | * Dr. Halah Al. Khaimi, The University of Jordan.
* Dr. Manar Fayyad, The University of Jordan.
* Dr. Elias Salameh, The University of Jordan.
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